

ABSTRACT

A sensor unit sensing a physical quantity comprises a first voltage evaluation circuit, a second voltage evaluation circuit, an alarm signal output circuit, and a sensor output circuit. The first voltage evaluation circuit evaluates a power voltage by comparing it with a reference voltage and outputs an accident signal when the power voltage is lower than a first predetermined voltage. The second voltage evaluation circuit working in a lower voltage range in which the first voltage evaluation circuit is insensitive outputs the accident signal when the power voltage is lower than a second predetermined voltage. The alarm signal output circuit outputs an alarm signal in response to the accident signal. The sensor output circuit outputs a sensor signal and inhibits the circuit from outputting the sensor signal in response to the accident signal, so that the alarm signal output circuit provides the alarm signal in response to the accident signal.